



Service Manual for SHOW'N TELL

A605A-1
SHOW'N TELL
PHONO-VIEWER
MODELS
A605A, B

SUPERSEDES SERVICE MANUAL A605A



The General Electric model A605 Show'N Tell Phono-viewer is a 2 transistor set with a 2 speed manual turntable and a slide-film projection system. Designed to be used with General Electric Picutre-sound* program albums, it shows pictures timed to words and music.

To set the record in proper synchronization, the showfilm holder is pushed down in the film slot and the set turned on.

VERY IMPORTANT

When any A. C. operated test equipment is to be used for servicing, an isolation transformer should be used in series with either the set or the test equipment line cord. In the absence of an isolation transformer, check for the presence of A. C. line voltage with D. C. operated VOM between the phono-viewer ground and the test equipment. If line voltage is present, reverse the position of one of the power plugs in the A. C. outlet. The test equipment can now be used normally.

Failure to observe these precautions may result in destruction of either the output transistor or the turntable motor, or both, in addition to creating a dangerous condition.

ADJUSTMENTS

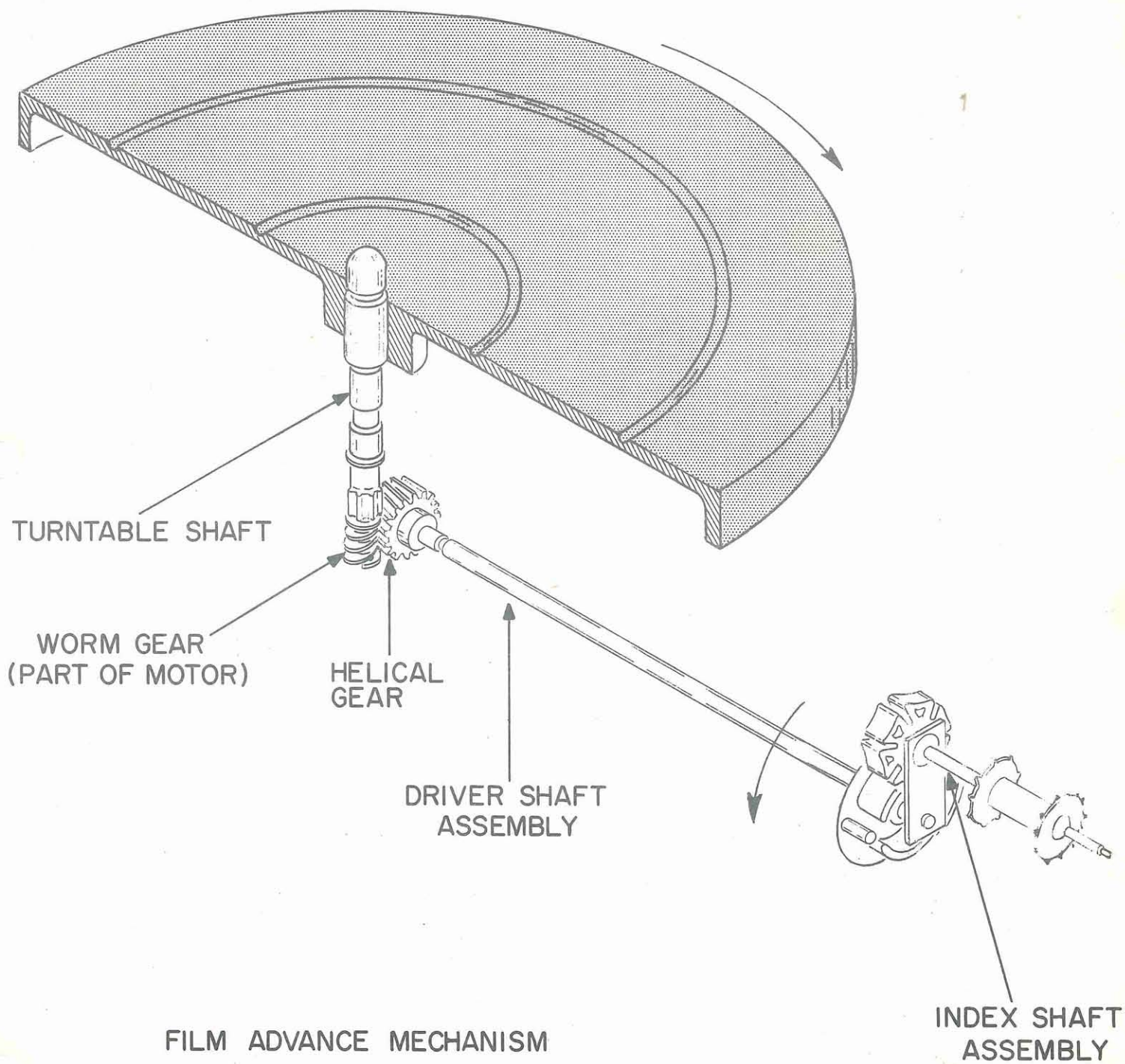
When the projection lamp is replaced, variations in filament location within the lamp may

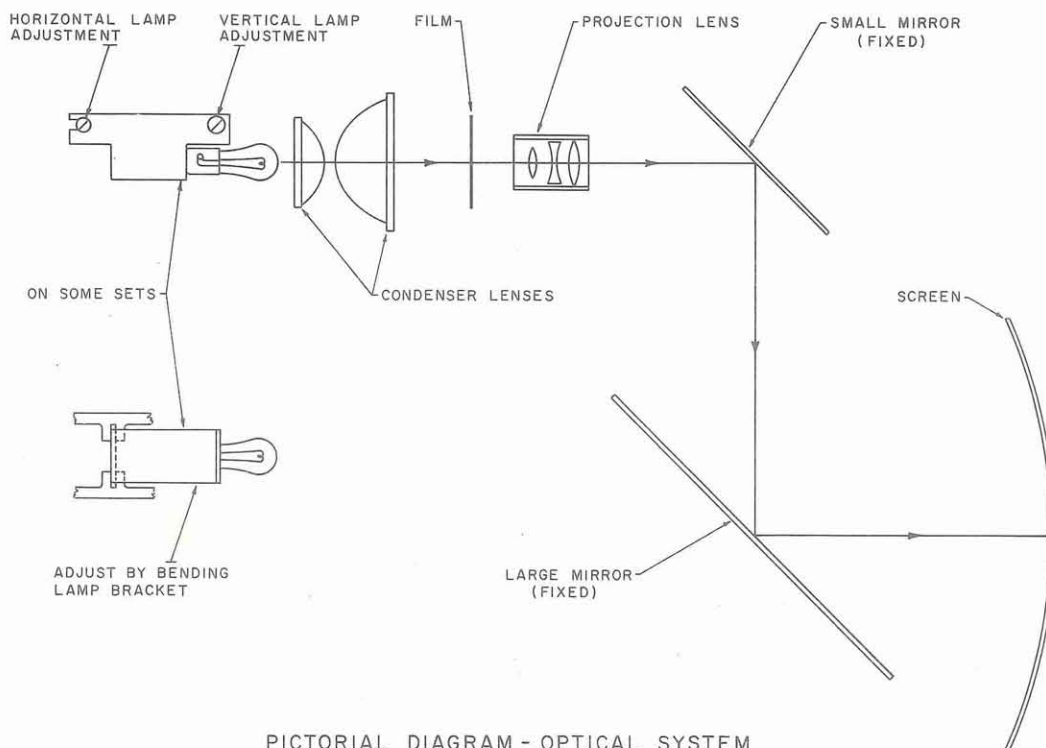
require re-positioning of the lamp bracket to produce full, even illumination of the screen. Correct adjustment procedure is shown in the lamp replacement illustrations.

CABINET DISASSEMBLY

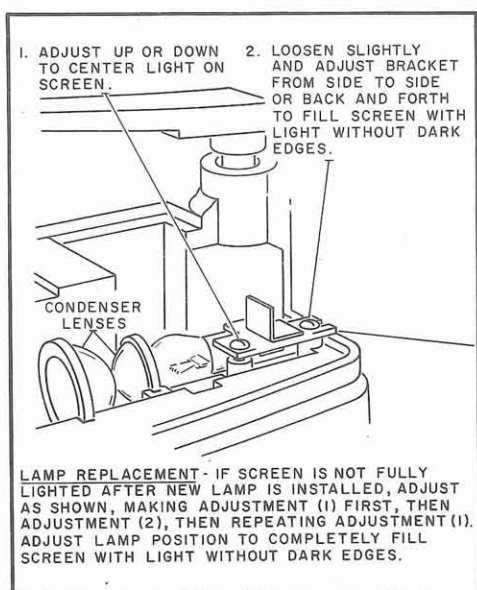
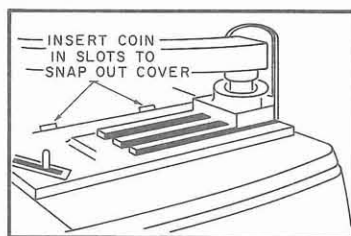
1. Remove On-Off volume control knob.
2. Remove screw on cabinet bottom, securing cabinet front.
3. Insert screw driver between cabinet front and cabinet bottom lock tabs. Carefully depress screw driver to spring cabinet front tabs free.
4. Lift cabinet front out of top edge locking tabs.
5. There are 6 snap action tabs around the middle of the cabinet securing cabinet top to cabinet bottom. Note: (Some early models use screws.) Disassemble cabinet top from cabinet bottom as follows:
 - (a) Snap open tabs on inside front of cabinet (both sides). (Place wedge between cabinet top & bottom for separation).
 - (b) Snap open tabs on left side of unit using two screw drivers through access hole in bottom of unit. (Move wedge to keep cabinet separated).
 - (c) Snap open tabs on back of unit (outside).
 - (d) Repeat (b) above for tab on right side of unit.
6. Carefully lift cabinet top taking particular care of wires and mirror.

* Trademark General Electric Co.

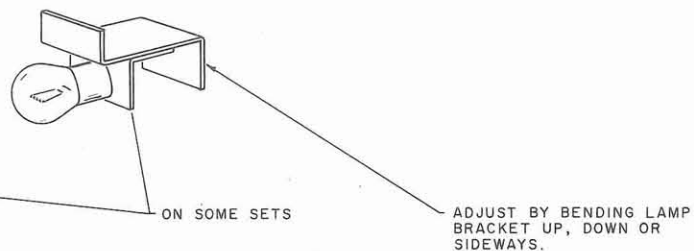


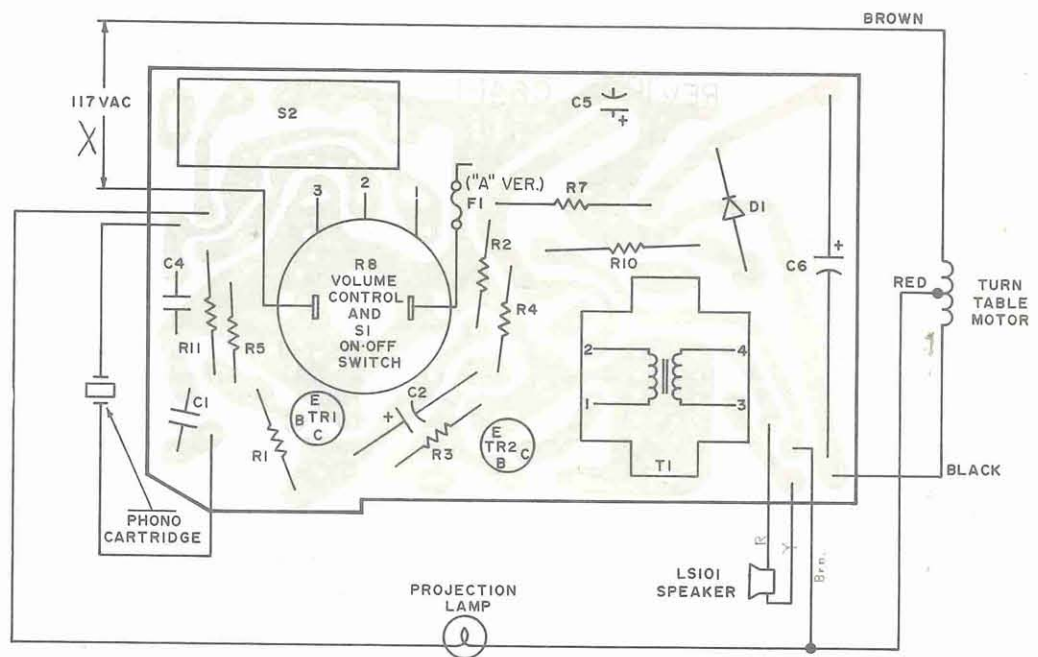


PICTORIAL DIAGRAM - OPTICAL SYSTEM

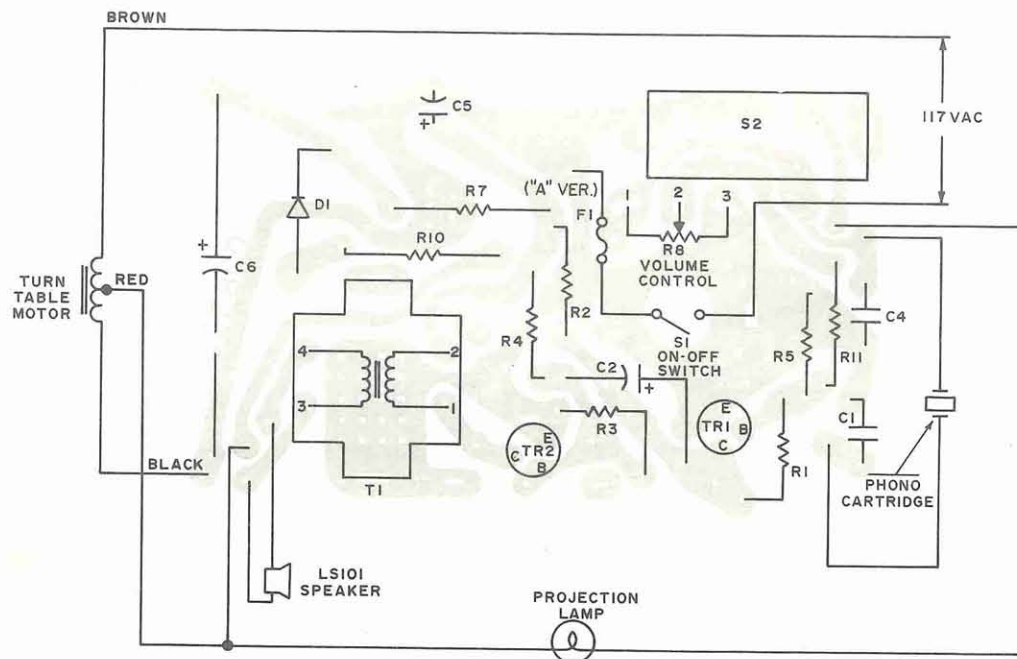


LAMP REPLACEMENT - IF SCREEN IS NOT FULLY LIGHTED AFTER NEW LAMP IS INSTALLED, ADJUST AS SHOWN, MAKING ADJUSTMENT (1) FIRST, THEN ADJUSTMENT (2), THEN REPEATING ADJUSTMENT (1). ADJUST LAMP POSITION TO COMPLETELY FILL SCREEN WITH LIGHT WITHOUT DARK EDGES.





COMPONENT LAYOUT (TOP VIEW)



WIRING DIAGRAM (BOTTOM VIEW)

REPLACEMENT PARTS LIST

CAT. NO.	SYM.	DESCRIPTION	LIST PRICE	CAT. NO.	SYM.	DESCRIPTION	LIST PRICE
AMPLIFIER				PHONOGRAPH			
RT2099	C1	.01 MF, 450 V.....	.25	RS4187	1 Mil Stylus	1.25	
RS2614	C2	6 MF, 15 V.....	1.45	RS6722	Fan	.35	
RT1836	C4	.005 MF, 450 V.....	.25	RT1054	Cartridge.....	2.75	
RS6480	C5	100 MF, 15 V.....	.50	RT2341	Turntable.....	.40	
RT1285	C6	250 MF, 25 V.....	1.25	RT2342	Tone Arm	3.25	
RS6686	R8	Volume Control W/SW		RT2349	Phono Motor ("A" Version).....	8.95	
RT7717		500 K	1.25	*RT2896	Phono Motor ("B" Version).....	8.95	
RT1491	R10	Resistor, 82 Ω , 2 W	.25	CABINET & APPEARANCE ITEMS			
RS6471	D1	Rectifier	1.20	RB2114	Cabinet Front	1.50	
RS6469	T1	Output Transformer	1.50	RB2115	Cabinet Bottom.....	.50	
RS7412	TR1	Transistor.....	1.00	RB2116	Cabinet Top.....	2.75	
RS7108	TR1	Transistor.....	1.00	RB2117	Projector Lens Cover.....	.50	
RS7107	TR1	Transistor.....	1.00	RB2118	Screen	.55	
RS7622	TR2	Transistor.....	1.00	RT2343	Volume Knob.....	.40	
RS7623	TR2	Transistor.....	1.00	MISCELLANEOUS			
RS7624	TR2	Transistor.....	1.00	RB2108	Speaker	1.95	
RS7626	TR2	Transistor.....	1.00	RS2590	Power Cord	.70	
RS7628	TR2	Transistor.....	1.00	RS3021	Spring Retainer	.25	
RT1094		Heat Sink	.25	RS3523	Terminal	.25	
RT2773		Fuse 7/10 Slo Blo "A" ..	.50	RS3822	Volume Knob Ret.	.50	
PROJECTOR				RS6236	Turntable Retainer.....	.25	
RS6668		Condenser Lens, Large.....	.75	RT2348	Film Guide	.45	
RS6669		Condenser Lens, Small	.75	RT2350	Index Shaft Assembly	1.00	
RS6725		Projector Lamp	.95	RT2351	Drive Shaft Assembly	.75	
RS6761		Lamp Adjustment Screw "A" Pkg. 5	.25	RT2352	Slide Switch.....	.50	
RT2344		Focus Lens Holder	.30	RS6672	Idler Wheel	.50	
RT2345		Large Mirror	.60				
RT2346		Small Mirror	.30				
RT2347		Focus Lens	1.25				
RT9287		Lamp Socket	.50				

Prices are suggested list prices, subject to change without notice.

* Denotes parts not previously cataloged.

Progress Is Our Most Important Product

GENERAL  ELECTRIC

PRODUCT SERVICE— RADIO RECEIVER DEPT.